ACCURACII XRU

Long-range, uncooled thermal imaging and visible camera system

The Accuracii XRU is a dual-channel (High-sensitivity thermal imaging and high-definition visibility) PTZ camera system, that features one of the longest uncooled focal lengths combined with sensitivity uncooled thermal cameras available in the market, for security applications.

The Accuracii XRU offers long-range detection and assessment without requiring repeated maintenance, ensuring a low cost of ownership.

The system is available in a range of configurations, including analog or IP communication and additional options such as Laser Range Finder, GPS, digital magnetic compass and thermal image stabilization.

Elbit Systems™
ISTAR & EW

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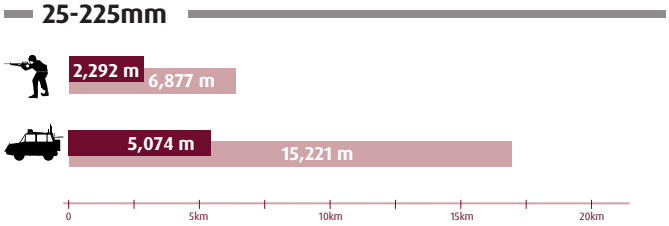
Technical Data

Imager type	Uncooled VOx	
Spectral band	7.5 - 14µ	
Pixel size	17µ	
Resolution	640 x 480 (VGA)	
NETD	< 35° mK @ f/1.0	
Lens type	Motorized, Continuous zoom, Autofocus	
Focal length	25-225mm	
Lens F #	1.5	
HFOV	24.5-2.77°	
Digital zoom	x12	
Visible camera	Imager type	1/1.8" CMOS
	Resolution	1920 x 1080 FHD
	Focal length	6.3-504mm
	HFOV	62.7-0.9°
	Lens type	Autofocus
	Digital zoom	x16
Pan-Tilt Positioner	Pan Range	360° continuous
	Pan Speed	0.1-50°/sec
	Tilt Range	±90°
	Tilt Speed	0.1-50°/sec
	Position Accuracy	< ±1.5mrad
LRF (optional)	Class 1 Eye-safe, medium range capability	
GPS (optional)	Dual-band and multi-constellation GNSS module	
DMC (optional)	9-axis absolute real-time orientation sensor: Magnetometer, accelerometer and gyroscope	
Frame rate	25 / 30 Hz	
Video type	H.264	
Communication protocols	ONVIF Profile S, Web GUI Interface	
Network protocols	TCP/IP, RTSP, DHCP, NTP, HTTP, HTTPS	
Power input	22 - 26VDC (24VDC nominal)	
Power consumption	30W typical, 180W max	
Operating temperature	-32°C to +55°C	
Storage temperature	-40°C to +70°C	
Dimensions	601.6mm (w), 337.7mm (h), 300mm (d)	
Weight	< 45.0 kg	
Certifications	CE, FCC, IP66	

Main Features

- **Long-Range Vision:** Equipped with a uncooled thermal core, the Accuracii XRU provides unmatched long-range detection
- **Effortless Integration:** Seamlessly integrate the Accuracii XRU into your existing setup, thanks to its user-friendly design and compatibility
- **Precision Zoom Capability:** Analyze critical areas with ease using the continuous zoom function
- **Complete Customizability:** Tailor the Accuracii XRU to your unique needs, optimizing its performance for your specific security challenges
- **ONVIF Profile S Compliant:** Trust in industry standards for interoperability, ensuring a reliable and compliant security solution

Range Performance



(*) Ranges were calculated according to Nyquist, with a 50% probability of success. Ideal atmospheric and scene conditions assumed.

Human (1.8m X 0.6m) Vehicle (2.3m X 2.3m)

Recognition (6 lines on subject) Detection (2 lines on subject)

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